

# ACKNOWLEDGEMENT RECEIPT

Electronic Version

Stylesheet Version v01

| <b>Title of Invention</b> | ANIONIC POLYMERS COMPOSED OF DICARBOXYLIC ACIDS AND USES THEREOF   |              |                          |           |              |   |            |                   |      |            |            |                |       |            |            |                |       |            |              |                    |      |            |              |                  |       |            |              |                  |       |            |                |             |       |            |                  |                         |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |           |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |
|---------------------------|--|--------------|--------------------------|-----------|--------------|---|------------|-------------------|------|------------|------------|----------------|-------|------------|------------|----------------|-------|------------|--------------|--------------------|------|------------|--------------|------------------|-------|------------|--------------|------------------|-------|------------|----------------|-------------|-------|------------|------------------|-------------------------|-------|------------|------------------|-------------------------|-------|------------|------------------|----------------------|-------|------------|------------------|----------|------|------------|------------------|-------------|-------|------------|------------------|---------------------|-------|------------|------------------|-------------|------|------------|------------------|-------------|------|------------|------------------|-------------|------|------------|------------------|-------------|------|------------|------------------|-------------|------|------------|------------------|-------------|------|------------|------------------|-------------|------|------------|------------------|-------------|------|------------|------------------|-------------|------|------------|------------------|-----------|------|------------|------------------|-------------|------|------------|------------------|------------|------|------------|------------------|-------------|------|------------|------------------|-------------|------|------------|------------------|------------|------|------------|------------------|-------------|------|------------|------------------|-------------|------|------------|
| Submission Type :         | Utility Patent Filing  |              |                          |           |              |   |            |                   |      |            |            |                |       |            |            |                |       |            |              |                    |      |            |              |                  |       |            |              |                  |       |            |                |             |       |            |                  |                         |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |           |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |
| Application Number:       | 10/708614   |              |                          |           |              |   |            |                   |      |            |            |                |       |            |            |                |       |            |              |                    |      |            |              |                  |       |            |              |                  |       |            |                |             |       |            |                  |                         |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |           |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |
| EFS ID:                   | 57133  |              |                          |           |              |   |            |                   |      |            |            |                |       |            |            |                |       |            |              |                    |      |            |              |                  |       |            |              |                  |       |            |                |             |       |            |                  |                         |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |           |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |
| Server Response:          | <table border="1"><thead><tr><th>Confirmation Code</th><th>Message</th></tr></thead><tbody><tr><td>ISVR1</td><td>Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application</td></tr><tr><td>ICON1</td><td>2613</td></tr></tbody></table>   |              | Confirmation Code        | Message   | ISVR1        | Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application | ICON1      | 2613              |      |            |            |                |       |            |            |                |       |            |              |                    |      |            |              |                  |       |            |              |                  |       |            |                |             |       |            |                  |                         |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |           |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |
| Confirmation Code         | Message  |              |                          |           |              |   |            |                   |      |            |            |                |       |            |            |                |       |            |              |                    |      |            |              |                  |       |            |              |                  |       |            |                |             |       |            |                  |                         |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |           |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |
| ISVR1                     | Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application  |              |                          |           |              |   |            |                   |      |            |            |                |       |            |            |                |       |            |              |                    |      |            |              |                  |       |            |              |                  |       |            |                |             |       |            |                  |                         |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |           |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |
| ICON1                     | 2613   |              |                          |           |              |   |            |                   |      |            |            |                |       |            |            |                |       |            |              |                    |      |            |              |                  |       |            |              |                  |       |            |                |             |       |            |                  |                         |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |           |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |
| First Named Applicant:    | John Sanders   |              |                          |           |              |   |            |                   |      |            |            |                |       |            |            |                |       |            |              |                    |      |            |              |                  |       |            |              |                  |       |            |                |             |       |            |                  |                         |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |           |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |
| Attorney Docket Number:   | 30621-DIV5-CIP1  |              |                          |           |              |   |            |                   |      |            |            |                |       |            |            |                |       |            |              |                    |      |            |              |                  |       |            |              |                  |       |            |                |             |       |            |                  |                         |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |           |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |
| Timestamp:                | 2004-03-15 18:52:40 EDT  |              |                          |           |              |   |            |                   |      |            |            |                |       |            |            |                |       |            |              |                    |      |            |              |                  |       |            |              |                  |       |            |                |             |       |            |                  |                         |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |           |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |
| From:                     | US   |              |                          |           |              |   |            |                   |      |            |            |                |       |            |            |                |       |            |              |                    |      |            |              |                  |       |            |              |                  |       |            |                |             |       |            |                  |                         |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |           |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |
| File Listing:             | <table border="1"><thead><tr><th>Doc. Name</th><th>File Name</th><th>Size (Bytes)</th><th>Date Produced (yyyymmdd)</th></tr></thead><tbody><tr><td>us-request</td><td>Submiss-usreq.xml</td><td>4333</td><td>2004-03-15</td></tr><tr><td>us-request</td><td>us-request.dtd</td><td>19054</td><td>2004-03-15</td></tr><tr><td>us-request</td><td>us-request.xsl</td><td>33300</td><td>2004-03-15</td></tr><tr><td>us-fee-sheet</td><td>Submiss-usfees.xml</td><td>1665</td><td>2004-03-15</td></tr><tr><td>us-fee-sheet</td><td>us-fee-sheet.xsl</td><td>24912</td><td>2004-03-15</td></tr><tr><td>us-fee-sheet</td><td>us-fee-sheet.dtd</td><td>11069</td><td>2004-03-15</td></tr><tr><td>us-declaration</td><td>GenAuth.tif</td><td>44272</td><td>2004-03-15</td></tr><tr><td>application-body</td><td>Specification-trans.xml</td><td>60923</td><td>2004-03-15</td></tr><tr><td>application-body</td><td>us-application-body.xsl</td><td>83497</td><td>2004-03-15</td></tr><tr><td>application-body</td><td>application-body.dtd</td><td>49498</td><td>2004-03-15</td></tr><tr><td>application-body</td><td>wipo.ent</td><td>4956</td><td>2004-03-15</td></tr><tr><td>application-body</td><td>mathml2.dtd</td><td>54588</td><td>2004-03-15</td></tr><tr><td>application-body</td><td>mathml2-qname-1.mod</td><td>13225</td><td>2004-03-15</td></tr><tr><td>application-body</td><td>isoamsa.ent</td><td>5191</td><td>2004-03-15</td></tr><tr><td>application-body</td><td>isoamsb.ent</td><td>3988</td><td>2004-03-15</td></tr><tr><td>application-body</td><td>isoamsc.ent</td><td>1460</td><td>2004-03-15</td></tr><tr><td>application-body</td><td>isoamsn.ent</td><td>5620</td><td>2004-03-15</td></tr><tr><td>application-body</td><td>isoamso.ent</td><td>1934</td><td>2004-03-15</td></tr><tr><td>application-body</td><td>isoamsr.ent</td><td>7073</td><td>2004-03-15</td></tr><tr><td>application-body</td><td>isogrK3.ent</td><td>3559</td><td>2004-03-15</td></tr><tr><td>application-body</td><td>isomfrk.ent</td><td>4553</td><td>2004-03-15</td></tr><tr><td>application-body</td><td>isomopf.ent</td><td>2571</td><td>2004-03-15</td></tr><tr><td>application-body</td><td>somsr.ent</td><td>4628</td><td>2004-03-15</td></tr><tr><td>application-body</td><td>softech.ent</td><td>5268</td><td>2004-03-15</td></tr><tr><td>application-body</td><td>isobox.ent</td><td>3568</td><td>2004-03-15</td></tr><tr><td>application-body</td><td>isocyr1.ent</td><td>5345</td><td>2004-03-15</td></tr><tr><td>application-body</td><td>isocyr2.ent</td><td>2504</td><td>2004-03-15</td></tr><tr><td>application-body</td><td>isodla.ent</td><td>1508</td><td>2004-03-15</td></tr><tr><td>application-body</td><td>isolat1.ent</td><td>5282</td><td>2004-03-15</td></tr><tr><td>application-body</td><td>isolat2.ent</td><td>9007</td><td>2004-03-15</td></tr></tbody></table> |              | Doc. Name                | File Name | Size (Bytes) | Date Produced (yyyymmdd)  | us-request | Submiss-usreq.xml | 4333 | 2004-03-15 | us-request | us-request.dtd | 19054 | 2004-03-15 | us-request | us-request.xsl | 33300 | 2004-03-15 | us-fee-sheet | Submiss-usfees.xml | 1665 | 2004-03-15 | us-fee-sheet | us-fee-sheet.xsl | 24912 | 2004-03-15 | us-fee-sheet | us-fee-sheet.dtd | 11069 | 2004-03-15 | us-declaration | GenAuth.tif | 44272 | 2004-03-15 | application-body | Specification-trans.xml | 60923 | 2004-03-15 | application-body | us-application-body.xsl | 83497 | 2004-03-15 | application-body | application-body.dtd | 49498 | 2004-03-15 | application-body | wipo.ent | 4956 | 2004-03-15 | application-body | mathml2.dtd | 54588 | 2004-03-15 | application-body | mathml2-qname-1.mod | 13225 | 2004-03-15 | application-body | isoamsa.ent | 5191 | 2004-03-15 | application-body | isoamsb.ent | 3988 | 2004-03-15 | application-body | isoamsc.ent | 1460 | 2004-03-15 | application-body | isoamsn.ent | 5620 | 2004-03-15 | application-body | isoamso.ent | 1934 | 2004-03-15 | application-body | isoamsr.ent | 7073 | 2004-03-15 | application-body | isogrK3.ent | 3559 | 2004-03-15 | application-body | isomfrk.ent | 4553 | 2004-03-15 | application-body | isomopf.ent | 2571 | 2004-03-15 | application-body | somsr.ent | 4628 | 2004-03-15 | application-body | softech.ent | 5268 | 2004-03-15 | application-body | isobox.ent | 3568 | 2004-03-15 | application-body | isocyr1.ent | 5345 | 2004-03-15 | application-body | isocyr2.ent | 2504 | 2004-03-15 | application-body | isodla.ent | 1508 | 2004-03-15 | application-body | isolat1.ent | 5282 | 2004-03-15 | application-body | isolat2.ent | 9007 | 2004-03-15 |
| Doc. Name                 | File Name  | Size (Bytes) | Date Produced (yyyymmdd) |           |              |   |            |                   |      |            |            |                |       |            |            |                |       |            |              |                    |      |            |              |                  |       |            |              |                  |       |            |                |             |       |            |                  |                         |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |           |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |
| us-request                | Submiss-usreq.xml  | 4333         | 2004-03-15               |           |              |   |            |                   |      |            |            |                |       |            |            |                |       |            |              |                    |      |            |              |                  |       |            |              |                  |       |            |                |             |       |            |                  |                         |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |           |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |
| us-request                | us-request.dtd   | 19054        | 2004-03-15               |           |              |   |            |                   |      |            |            |                |       |            |            |                |       |            |              |                    |      |            |              |                  |       |            |              |                  |       |            |                |             |       |            |                  |                         |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |           |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |
| us-request                | us-request.xsl   | 33300        | 2004-03-15               |           |              |   |            |                   |      |            |            |                |       |            |            |                |       |            |              |                    |      |            |              |                  |       |            |              |                  |       |            |                |             |       |            |                  |                         |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |           |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |
| us-fee-sheet              | Submiss-usfees.xml   | 1665         | 2004-03-15               |           |              |   |            |                   |      |            |            |                |       |            |            |                |       |            |              |                    |      |            |              |                  |       |            |              |                  |       |            |                |             |       |            |                  |                         |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |           |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |
| us-fee-sheet              | us-fee-sheet.xsl   | 24912        | 2004-03-15               |           |              |   |            |                   |      |            |            |                |       |            |            |                |       |            |              |                    |      |            |              |                  |       |            |              |                  |       |            |                |             |       |            |                  |                         |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |           |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |
| us-fee-sheet              | us-fee-sheet.dtd   | 11069        | 2004-03-15               |           |              |   |            |                   |      |            |            |                |       |            |            |                |       |            |              |                    |      |            |              |                  |       |            |              |                  |       |            |                |             |       |            |                  |                         |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |           |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |
| us-declaration            | GenAuth.tif  | 44272        | 2004-03-15               |           |              |   |            |                   |      |            |            |                |       |            |            |                |       |            |              |                    |      |            |              |                  |       |            |              |                  |       |            |                |             |       |            |                  |                         |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |           |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |
| application-body          | Specification-trans.xml  | 60923        | 2004-03-15               |           |              |   |            |                   |      |            |            |                |       |            |            |                |       |            |              |                    |      |            |              |                  |       |            |              |                  |       |            |                |             |       |            |                  |                         |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |           |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |
| application-body          | us-application-body.xsl  | 83497        | 2004-03-15               |           |              |   |            |                   |      |            |            |                |       |            |            |                |       |            |              |                    |      |            |              |                  |       |            |              |                  |       |            |                |             |       |            |                  |                         |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |           |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |
| application-body          | application-body.dtd   | 49498        | 2004-03-15               |           |              |   |            |                   |      |            |            |                |       |            |            |                |       |            |              |                    |      |            |              |                  |       |            |              |                  |       |            |                |             |       |            |                  |                         |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |           |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |
| application-body          | wipo.ent   | 4956         | 2004-03-15               |           |              |   |            |                   |      |            |            |                |       |            |            |                |       |            |              |                    |      |            |              |                  |       |            |              |                  |       |            |                |             |       |            |                  |                         |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |           |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |
| application-body          | mathml2.dtd  | 54588        | 2004-03-15               |           |              |   |            |                   |      |            |            |                |       |            |            |                |       |            |              |                    |      |            |              |                  |       |            |              |                  |       |            |                |             |       |            |                  |                         |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |           |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |
| application-body          | mathml2-qname-1.mod  | 13225        | 2004-03-15               |           |              |   |            |                   |      |            |            |                |       |            |            |                |       |            |              |                    |      |            |              |                  |       |            |              |                  |       |            |                |             |       |            |                  |                         |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |           |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |
| application-body          | isoamsa.ent  | 5191         | 2004-03-15               |           |              |   |            |                   |      |            |            |                |       |            |            |                |       |            |              |                    |      |            |              |                  |       |            |              |                  |       |            |                |             |       |            |                  |                         |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |           |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |
| application-body          | isoamsb.ent  | 3988         | 2004-03-15               |           |              |   |            |                   |      |            |            |                |       |            |            |                |       |            |              |                    |      |            |              |                  |       |            |              |                  |       |            |                |             |       |            |                  |                         |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |           |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |
| application-body          | isoamsc.ent  | 1460         | 2004-03-15               |           |              |   |            |                   |      |            |            |                |       |            |            |                |       |            |              |                    |      |            |              |                  |       |            |              |                  |       |            |                |             |       |            |                  |                         |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |           |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |
| application-body          | isoamsn.ent  | 5620         | 2004-03-15               |           |              |   |            |                   |      |            |            |                |       |            |            |                |       |            |              |                    |      |            |              |                  |       |            |              |                  |       |            |                |             |       |            |                  |                         |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |           |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |
| application-body          | isoamso.ent  | 1934         | 2004-03-15               |           |              |   |            |                   |      |            |            |                |       |            |            |                |       |            |              |                    |      |            |              |                  |       |            |              |                  |       |            |                |             |       |            |                  |                         |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |           |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |
| application-body          | isoamsr.ent  | 7073         | 2004-03-15               |           |              |   |            |                   |      |            |            |                |       |            |            |                |       |            |              |                    |      |            |              |                  |       |            |              |                  |       |            |                |             |       |            |                  |                         |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |           |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |
| application-body          | isogrK3.ent  | 3559         | 2004-03-15               |           |              |   |            |                   |      |            |            |                |       |            |            |                |       |            |              |                    |      |            |              |                  |       |            |              |                  |       |            |                |             |       |            |                  |                         |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |           |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |
| application-body          | isomfrk.ent  | 4553         | 2004-03-15               |           |              |   |            |                   |      |            |            |                |       |            |            |                |       |            |              |                    |      |            |              |                  |       |            |              |                  |       |            |                |             |       |            |                  |                         |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |           |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |
| application-body          | isomopf.ent  | 2571         | 2004-03-15               |           |              |   |            |                   |      |            |            |                |       |            |            |                |       |            |              |                    |      |            |              |                  |       |            |              |                  |       |            |                |             |       |            |                  |                         |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |           |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |
| application-body          | somsr.ent  | 4628         | 2004-03-15               |           |              |   |            |                   |      |            |            |                |       |            |            |                |       |            |              |                    |      |            |              |                  |       |            |              |                  |       |            |                |             |       |            |                  |                         |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |           |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |
| application-body          | softech.ent  | 5268         | 2004-03-15               |           |              |   |            |                   |      |            |            |                |       |            |            |                |       |            |              |                    |      |            |              |                  |       |            |              |                  |       |            |                |             |       |            |                  |                         |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |           |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |
| application-body          | isobox.ent   | 3568         | 2004-03-15               |           |              |   |            |                   |      |            |            |                |       |            |            |                |       |            |              |                    |      |            |              |                  |       |            |              |                  |       |            |                |             |       |            |                  |                         |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |           |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |
| application-body          | isocyr1.ent  | 5345         | 2004-03-15               |           |              |   |            |                   |      |            |            |                |       |            |            |                |       |            |              |                    |      |            |              |                  |       |            |              |                  |       |            |                |             |       |            |                  |                         |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |           |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |
| application-body          | isocyr2.ent  | 2504         | 2004-03-15               |           |              |   |            |                   |      |            |            |                |       |            |            |                |       |            |              |                    |      |            |              |                  |       |            |              |                  |       |            |                |             |       |            |                  |                         |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |           |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |
| application-body          | isodla.ent   | 1508         | 2004-03-15               |           |              |   |            |                   |      |            |            |                |       |            |            |                |       |            |              |                    |      |            |              |                  |       |            |              |                  |       |            |                |             |       |            |                  |                         |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |           |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |
| application-body          | isolat1.ent  | 5282         | 2004-03-15               |           |              |   |            |                   |      |            |            |                |       |            |            |                |       |            |              |                    |      |            |              |                  |       |            |              |                  |       |            |                |             |       |            |                  |                         |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |           |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |
| application-body          | isolat2.ent  | 9007         | 2004-03-15               |           |              |   |            |                   |      |            |            |                |       |            |            |                |       |            |              |                    |      |            |              |                  |       |            |              |                  |       |            |                |             |       |            |                  |                         |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |           |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |                  |             |      |            |

| Doc. Name        | File Name           | Size (Bytes) | Date Produced (yyyymmdd) |
|------------------|---------------------|--------------|--------------------------|
| application-body | sonum.ent           | 5913         | 2004-03-15               |
| application-body | isopub.ent          | 6621         | 2004-03-15               |
| application-body | mmextra.ent         | 7901         | 2004-03-15               |
| application-body | mmalias.ent         | 38209        | 2004-03-15               |
| application-body | soextbx.dtd         | 12870        | 2004-03-15               |
| application-body | Insert1.tif         | 6332         | 2004-03-15               |
| application-body | Insert2.tif         | 6384         | 2004-03-15               |
| application-body | Insert3.tif         | 4176         | 2004-03-15               |
| application-body | Insert4.tif         | 5204         | 2004-03-15               |
| application-body | Insert5.tif         | 5798         | 2004-03-15               |
| application-body | Example1.tif        | 13356        | 2004-03-15               |
| application-body | Example2.tif        | 9312         | 2004-03-15               |
| application-body | Example3.tif        | 18380        | 2004-03-15               |
| application-body | Table1.tif          | 12748        | 2004-03-15               |
| application-body | Table2.tif          | 14804        | 2004-03-15               |
| application-body | Table3.tif          | 22228        | 2004-03-15               |
| application-body | Claim1Insert.tif    | 5404         | 2004-03-15               |
| application-body | Claim1aInsert.tif   | 6018         | 2004-03-15               |
| application-body | Claim19Insert.tif   | 5592         | 2004-03-15               |
| application-body | Claim19aInsert.tif  | 5812         | 2004-03-15               |
| application-body | Draw1.tif           | 10860        | 2004-03-15               |
| application-body | Draw2.tif           | 10668        | 2004-03-15               |
| package-data     | Submit-pkda.xml     | 9220         | 2004-03-15               |
| package-data     | package-data.dtd    | 27025        | 2004-03-15               |
| package-data     | us-package-data.xls | 19263        | 2004-03-15               |
| Total files size |                     |              | 768455                   |

Message Digest:

ab9756ac1c595e4afd9802fd37da5142dab66ce6

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